

Application No.: 10/712,613
Amendment Dated: May 5, 2008
Reply to Office Action of: April 4, 2008

MAT-7510US1

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A transmission and reception system comprising a transmission device and, a receiving device, and a communication pathway between said transmission device and said receiving device, said transmission device comprising:

(1) convolutional coding means for convolution-coding input data, and outputting convolution-coded data;

(2) puncturing means for puncturing said convolution-coded data using puncturing patterns, and outputting punctured data; and

(3) modulation / transmission means for modulating and transmitting said punctured data, and

said receiving device comprising:

(1) reception / demodulation means for receiving and demodulating a signal transmitted by said transmission device, and outputting demodulated data;

(2) depuncturing means for depuncturing said demodulated data using said puncturing patterns used by said puncturing means, and outputting depunctured data;

(3) combining means for combining said depunctured data, and outputting a result of combining; and

(4) convolutional decoding means for convolution-decoding said result of combining, and outputting a decoded data,